

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A lifting-cord winding mechanism of a solar-radiation shielding device having a head ~~rail (1)~~rail, a ~~case (2)~~case removably fixed in said head rail, a drive ~~shaft (3)~~shaft rotatably supported in said head rail, a winding ~~drum (4)~~drum fitted around said drive shaft so that said winding drum is rotatable integrally with said drive shaft, a ~~slit (6)~~slit disposed at the bottom part of said case, a ~~ring (7)~~ring fitted around said winding drum so that said ring is rotatable integrally with said winding drum but is slidable axially along said winding drum, ~~both sidewalls (8, 9)~~two sidewalls bearing said winding drum at both ends of said case, and a ~~lifting-cord (5)~~lifting-cord inserted into said case through said slit with the tip thereof attached to said ring, said lifting-cord winding mechanism of a solar-radiation shielding device ~~CHARACTERIZED IN THAT~~wherein:

a guide ~~(11, 38)~~ is disposed either in said case or said head rail, said lifting-cord entering into said case via said guide, and

said winding ~~drum (4)~~drum is formed in a circular-cone shape at one end portion thereof with the larger-diameter end of said circular-cone shape disposed at said one end, and is formed in either another circular-cone shape or a cylindrical shape at a portion thereof continuing to said one end portion thereof, said another circular-cone shape having a conical angle that is the same as or smaller than the conical angle of said circular-cone shape formed at said one end portion thereof, and

said ~~sidewall (8)~~ sidewall surrounding said one end portion of said winding drum has an inclined ~~surface (13)~~ surface formed on the internal surface thereof, said inclined surface diagonally extending toward outside, and

said lifting cord has said tip thereof attached to a knob, said knob removably fixed to said ring.

2-3. (Cancelled)

4. (Currently Amended) A lifting-cord winding mechanism of a solar-radiation shielding device according to ~~claims 1 or 3~~ claim 1, ~~CHARACTERIZED IN THAT~~ wherein:

said ~~guide (11)~~ guide is formed either integral with, or separate from, one end portion of said ~~case (2)~~ case, said guide hanging from a bottom ~~opening (10)~~ opening of said ~~case (2)~~ case.

5. (Withdrawn-Currently Amended) A lifting-cord winding mechanism of a solar-radiation shielding device according to ~~claims 1 or 3~~ claim 1, ~~CHARACTERIZED IN THAT~~ wherein:

said ~~guide (38)~~ guide is removably fixed to a bottom ~~opening (10)~~ opening of said head ~~rail (1)~~ rail.

6. (Currently Amended) A lifting-cord winding mechanism of a solar-radiation shielding device according to ~~claims 4 or 5~~ claim 4, ~~CHARACTERIZED IN THAT~~wherein:

said ~~guide (11)~~ guide has a rotatable ~~roller (12)~~ roller having the axis center thereof disposed horizontal, and orthogonal with the longitudinal direction of said head rail, said roller having said axis center thereof adjustably positioned.

7. (Withdrawn-Currently Amended) A lifting-cord winding mechanism of a solar-radiation shielding device according to claim 4, ~~CHARACTERIZED IN THAT~~wherein:

said ~~guide (38)~~ guide has a guide ~~hole (39)~~ hole disposed therein for said ~~lifting-cord (5)~~ lifting-cord to pass through.

8. (Currently Amended) A lifting-cord winding mechanism of a solar-radiation shielding device according to claim 6, ~~CHARACTERIZED IN THAT~~wherein:

said ~~lifting-cord (5)~~ lifting-cord, adapted to hang at a position spaced away from said ~~guide (11)~~ guide, first passes through said ~~roller (12)~~ roller of said guide, then passes through a ~~roller (16)~~ roller of a center ~~guide (15)~~ guide fixed to said head ~~rail (1)~~ rail, to hang at said position.

9. (Withdrawn-Currently Amended) A lifting-cord winding mechanism of a solar-radiation shielding device according to claim 6, ~~CHARACTERIZED IN THAT~~wherein:

said ~~lifting-cord (5)~~ lifting-cord coming out through said ~~roller (12)~~ roller of said guide ~~(11)-guide~~ of a plurality of said head ~~rails (1)~~ rails connected by means of a corner ~~joint (36)~~ joint, first passes toward under said corner joint, then passes through a ~~guide (37)~~ guide of said corner joint, to hang.